| FEE DETERMINATION         |    |    |          |
|---------------------------|----|----|----------|
| O.I.P.E. CLASSIFIER       |    | 25 | 06-28-20 |
| FORMALITY REVIEW          |    |    | alda     |
| RESPONSE FORMALITY REVIEW | KW |    | 8 800    |
|                           |    |    | 17       |

## INDEX OF CLAIMS

| ~ | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
| = | Allowed                    | - 1 | Interference |
| _ | (Through numeral) Canceled | Α   | Appeal       |
| ÷ | Restricted                 | 0   | Objected     |

|            |         |          |          |            |          |             | ÷            |  |              | •••••  |                 |          | г        | 1621     | icte      | 20       |          |              | U   |         |         | •••••        | •••••     |          | UU         | jecte    | u       |                    |  |                 |          |          |          |           |
|------------|---------|----------|----------|------------|----------|-------------|--------------|--|--------------|--|-----------------|----------|----------|----------|-----------|----------|----------|--------------|---|---------|---------|--------------|-----------|----------|------------|----------|---------|--------------------|--|-----------------|----------|----------|----------|-----------|
| {          | Cla     | tim      |          |            |          |             | Da           | ţe   |              |  |                 | 7        | Cla      | im       |           |          |          | C            | ate   |         |         |              |           | Cla      | aim        |          |         |                    | Dat  | е               |          |          |          |           |
| [          |         | -        | 12       | 1          | 1        | Þ           | 15           |  |              |  |                 | 7        |          | æ        |           | Т        | Т        |              | Т   | T       |         | Γ            |           |          | <u>m</u>   |          | Г       | T                  | П  |                 | $\neg$   | T        | T        |           |
| ĺ          | Final   | Original | Z        | 4          | 28       | ľ./         | 133          |  |              |  |                 | 1        | Final    | Original | -         | -        | -        |              |   | -       | 1       |              |           | Final    | Original   |          | 1       |                    |  |                 | -        | -        |          | ļ         |
|            | Ē       | ġ        |          | 0/         | 3        | p           | 12           | Ш  |              | Ц.   | $\sqcup$        | 4        | ιĒ       | ō        | 4         | _        | $\bot$   | 4            | 4   | 4       | ↓_      | ╀            | Щ         | <u> </u> | Ŏ          | _        | ↓_      | $oldsymbol{\perp}$ |  | $\sqcup$        | _        |          | 4        | _         |
| .          |         | ¥        | X        | 1          | _        | <u> </u>    | <u> </u>     |  |              | <u> </u>   | $\dashv$        | 4        | <u> </u> | 51       | $\dashv$  | 4        | $\perp$  | 4-           | 4   | $\bot$  | 4       | $\vdash$     | Н         | - }_     | 101        | _        | 4       | ╄                  |  |                 |          |          | 4        | _         |
| -          | _       | LN.      | 4        | Ņ          | _        | L           | <u> </u>     | <u> </u>   | Ш            | <u> </u>   | $\sqcup$        | 4        | _        | 52       | 4         | $\dashv$ | +        | +            | +   | $\bot$  | +-      | ╀-           | _         |          | 102        | -        | ╀       | ┼-                 |  |                 |          | -        | 4        |           |
| - 1        |         | 1        | 4        | Н          | _        | <b>!</b> _  | ↓_           | _  |              | <u> </u>   |                 | 4        | ├-       | 53       | 4         | -        | $\dashv$ | 4            | +   | +       | ╁       | -            | $\vdash$  | -        | 103        | -        | +-      | ╀                  | -  | _               |          |          |          | _         |
| - 1        | _       | 4        | +        | Н          | <u> </u> | ├-          | ⊢            | -  | Н            | -  | $\vdash$        | -        | $\vdash$ | 54<br>55 | -         | $\dashv$ | $\dashv$ | +            | - -   | +       | ╀       | ╀╌           | Н         | <u> </u> | 104<br>105 |          | +-      | ╁                  | -  | $\dashv$        | 1        |          | +        | _         |
| - }        |         | 9        | +        | +          | -        | ├           | -            | -  |              | ⊢  |                 | -        | -        | 56       | +         | $\dashv$ | +        | +            | +   | ┿       | ╁       | +-           | H         | -        | 106        | +        | ╁       | ╁                  | ┞┤   |                 |          | -        | $\dashv$ | _         |
|            | -       | H        | +        | H          | -        | ├           | ┢            | H  | Н            | $\vdash$   | +               | $\dashv$ | -        | 57       | ᆉ         | $\dashv$ | -+       | +            | +   | +       | ╁       | ╁╌           | H         | $\vdash$ | 107        | ╁        | +-      | ┼                  | $\vdash$   |                 |          | $\dashv$ | +        | _         |
|            | _       | 8        | +        | -          | -        | ╁╌          | $\vdash$     | -  | $\vdash$     | -  | $\vdash$        | -        | -        | 58       | $\dashv$  | +        | +        | +            | ╁   | +-      | 十       | +-           | H         |          | 108        | +        | 1_      | +                  | ┢┤   | $\dashv$        |          | -        | $\dashv$ |           |
|            | _       | 9        | +        | -          | -        | +-          | +            | -  | Н            |  | +               | 1        | H        | 59       | 寸         | +        | 十        | $\dagger$    | ╅   | +       | +       | +            | Н         |          | 109        | $\dashv$ | +-      | +                  |  | $\dashv$        |          | _        | +        | ۲         |
|            |         | ĺ        | 1        |            | $\vdash$ | 1           | $\vdash$     | 1  |              |  | $\vdash$        | 1        |          | 60       | 十         | 寸        | 十        | $^{\dagger}$ | +   | +       | 十       | $\vdash$     |           |          | 110        | $\top$   | ✝       | $\top$             | Н  |                 | _        | _        | 1        | _         |
|            |         | Hi       | 1        |            | -        | -           | $t^-$        | ·  | Н            |  | $\top$          | ┪        |          | 61       | 寸         | +        | $\top$   | +            | +   | +       | 十       | t            | H         |          | 111        | $\top$   | 1.      | 1                  |  | Ħ               | _        | 寸        | 寸        | _         |
| :          |         | D        | 1        |            |          | <u> </u>    | T            | Ī.   | П            | Г  | $\vdash$        | 1        |          | 62       | 7         | $\neg$   | $\top$   | $\dagger$    | _   | $\top$  | 1       |              | П         |          | 112        | $\top$   | $\top$  | 1                  |  |                 |          | 1        | 7        | $\exists$ |
|            |         | (B)      | П        |            | 1        |             | Γ.           |  | П            |  |                 | 7        |          | 63       | 7         | $\neg$   | $\top$   | 1            | 7   | Τ       | T       | Т            |           |          | 113        |          | Τ       | 1                  | П  | $\cdot$         |          |          | 7        |           |
|            | $\cdot$ | W        | V        | V          | -        |             | П            |  |              |  | 1               | 7        |          | 64       | $\exists$ |          |          | 1            | 7   | - 1     | T       | Γ            |           |          | 114        |          | Ι       | Γ                  |  |                 |          |          |          |           |
| * <b>.</b> | 4       | K        | 1        | 7          |          |             |              |  |              |  |                 | 7        |          | 65       |           |          |          | T            | 丁   | T       | Ι       |              |           |          | 115        |          | Γ       | Γ                  |  |                 |          |          | Ţ        |           |
| Ì          |         | 16<br>17 |          |            | V        | را          | F            |  |              |  |                 |          |          | 66       |           | $\Box$   |          | Ī            |   | Ι       | Ι       |              |           |          | 116        |          | Ι       | $\Gamma$           |  |                 |          |          |          |           |
|            |         |          |          |            | Λ        | 1           | Ĺ            |  |              |  |                 |          |          | 67       | J         |          |          | Ι            | $oldsymbol{ol}}}}}}}}}}}}}}}$ | Ι       | I       |              |           |          | 117        |          |         |                    |  |                 | $\Box$   |          |          |           |
|            |         | 18       |          |            |          | П           |              |  |              |  |                 | ]        |          | 68       |           | $\Box$   |          | Ι            |   |         |         |              |           |          | 118        |          |         |                    |  |                 |          |          | $\Box$   |           |
|            |         | 19       |          |            | П        | $\prod$     |              |  |              |  |                 |          |          | 69       |           | $\Box$   |          |              | L   |         | 1       |              | Ш         |          | 119        | L        |         | L                  |  |                 |          |          | $\perp$  |           |
| ķ.         |         | 20       |          |            | П        | П           |              |  |              |  |                 |          |          | 70       |           |          |          |              |   |         |         |              |           |          | 120        |          |         |                    |  |                 | _ ]      | Ì        |          |           |
| . [        |         | 21       |          |            |          | П           |              |  |              |  |                 | 7        |          | 71       |           | $\Box$   |          |              |   | T       |         |              |           |          | 121        |          |         |                    |  |                 |          |          | $\Box$   |           |
| Ì          |         | 22       |          |            | П        | V           |              | Π  |              |  |                 |          |          | 72       |           |          |          |              |   |         |         |              |           |          | 122        |          |         |                    |  |                 |          | $\Box$   |          |           |
| [          |         | 23       |          |            |          | Y           |              |  |              |  |                 | ]        |          | 73       |           |          |          | $\perp$      |   | $\perp$ |         |              |           |          | 123        | $\perp$  | 1_      |                    |  |                 |          |          |          |           |
| [          |         | 24       |          |            | Ľ        | Ý           | Ł            |  |              | L  |                 |          |          | 74       |           |          | $\perp$  |              |   |         | $\perp$ | _            | Ш         |          | 124        |          | $\perp$ | _                  |  |                 |          | $\perp$  | $\perp$  |           |
| `          |         | 25       |          | L          | Ц        | Y           | L            | $oxed{oxed}$                                     | Ш            | L  |                 | ╛        | L        | 75       | _         | $\bot$   | 4        | ┵            | _   | ┸       | $\perp$ | L            | Ш         | L.       | 125        |          | $\perp$ | 1                  | L  | $\Box$          | _        | 4        | 4        |           |
|            |         | 26       |          | L          | Ц        | \frac{1}{V} | <u> </u>     | L  |              | L  | Щ               | 4        |          | 76       | _         | _        | 4        | 1            | ᆚ   | $\perp$ | 1       | <u> </u>     | Ш         |          | 126        | ᆚ        | _       | ot                 | _  | Ш               |          | _        | _        |           |
| ۲.         |         | 27<br>28 |          |            | Ų,       | LY,         | L.           | L  | Ш            | L_   |                 |          | oxdot    | 77       | 4         | _        | 4        | _            | _   | 4_      | 4       | 1            | Ш         | <u> </u> | 127        | _ի.      | $\bot$  | ļ                  | Ц  |                 | -1       | _        | 4        |           |
|            |         | 29       |          | <u>L</u> . | V        | V           |              | L  |              | <u> </u>   | 4               | 4        | L        | 78       | -         | 4        | _ _      | $\perp$      | _   | $\bot$  | -       | ╄            |           | ļ        | 128        |          | +       | <del> </del>       | <u> </u>   | $\sqcup$        |          |          | 4        |           |
| -          |         | 29       | _        | -          | V        | <u> </u>    | <u> </u>     |  | Ш            |  | Д.              | 4        | L        | 79       | 4         | -        | 4        | - -          | $\bot$  | 4-      | $\bot$  | 4            | Н         | <u> </u> | 129        |          | $\perp$ | $\vdash$           | $\Box$   |                 |          | 4        | -+       | _         |
| CC         | _       | 30       |          | L_         | L        | <u></u>     | <u> </u>     | L-   | -            | <u> </u>   | <u> </u>        | 4        | _        | 80       |           | -+       | - -      | +            | - -   | +       |         | ╀            | $\square$ | <u> </u> | 130        |          | +       | ╨                  | <u> </u>   | $\sqcup$        |          |          | -        | _         |
| ļ          |         | 31       |          | <u> </u>   | ļ.,      | <u> </u>    | L            |  | Ш            | <u> </u>   | 4               | 4        | $\vdash$ | 81       | 4         |          | 4        | 4-           | +   | +       | ╀       | <del> </del> | $\sqcup$  | -        | 131        | +        | +       | ╀                  | ├  | $\dashv$        |          | -        | -        |           |
|            | _       | 32       |          | $\vdash$   | <u> </u> | $\vdash$    |              | <b>├</b> -                                       | -            | ├-   | $\vdash \vdash$ | -        | $\vdash$ | 82<br>83 | $\dashv$  | -+       | +        | +            | +   | - -     | +       | +            | H         | $\vdash$ | 132        | -        | +       | +                  | $\vdash$   | $\vdash$        | -        | $\dashv$ | -        | _         |
| - 1        | _       | 33<br>34 |          |            | ┞        | -           | $\vdash$     | -  | Н            | -  | $\vdash$        | ┥        | ├-       | 84       | +         | $\dashv$ |          | +            | - -   | +       | ┥       | ╀            | H         | <u> </u> | 133<br>134 |          | +       | ╁                  |  |                 | $\dashv$ | $\dashv$ | -+       | _         |
| ŀ          | _       | 35       |          | -          | $\vdash$ | ┝           | $\vdash$     | -  | $\vdash$     | ├-   | +               | $\dashv$ | -        | 85       | $\dashv$  | -        | +        | +            | +   |         | +       | +            | H         | -        | 135        | +        | +-      | +                  | -  | $\vdash$        |          | -        | -+       | _         |
| 1          |         | 36       | -        | $\vdash$   | -        | $\vdash$    | $\vdash$     | -  | $\vdash$     | -  | $\dashv$        | $\dashv$ | $\vdash$ | 86       | $\dashv$  |          | +        | +            | +   | +-      | +       | +            | H         | -        | 136        | +        | +       | +                  | ╁┈┤  | H               | $\dashv$ |          | +        | _         |
| -          | _       | 37       | -        | $\vdash$   | -        | ┢           | <del> </del> | +-   | <del> </del> | ╁  | $\vdash \vdash$ | $\dashv$ | $\vdash$ | 87       | $\dashv$  | -        | +        | +            | +   | +-      | +       | ┿            | H         | $\vdash$ | 137        | +-       | +       | -                  | $\vdash$   | $\vdash$        |          | $\dashv$ | +        | _         |
| 1          | -       | 38       |          | -          | $\vdash$ | +-          | $\vdash$     | +-   | $\vdash$     | $\vdash$   | $\vdash$        | ┨        | $\vdash$ | 88       | $\dashv$  | -+       | 十        | +            | -}  | +       | +       | +            | $\vdash$  | $\vdash$ | 138        |          | +       | +-                 | $\vdash$   | $\vdash$        | $\dashv$ | $\dashv$ | +        |           |
|            |         | 39       |          | $\vdash$   | ┝        | +           | $\vdash$     | +-   | Н            |  | $\dashv$        | ┥ .      | <u> </u> | 89       | -+        | $\dashv$ | +        | +            | +   | +       | +       | +            | H         | -        | 139        | +-       | +       | +                  | <del>                                     </del> | H               | $\dashv$ | 7        | 7        | _         |
| - 1        | Н       | 40       | _        | -          | $\vdash$ | 一           | <del> </del> | +-   |              | $\vdash$   | $\vdash$        | ┨        | $\vdash$ | 90       | $\dashv$  | -+       | +        | +            | +   | +       | +       | 1.           | $\Box$    |          | 140        | +        | +       | +                  | П  | $\vdash$        | $\neg$   | 1        | -†       | _         |
|            |         | 41       |          | $\vdash$   | -        | $\vdash$    | $\vdash$     | <del> </del>                                     | $\vdash$     |  | $\dashv$        | -        | -        | 91       | $\dashv$  |          | +        | +            | +   | +-      | +       | +            | H         | -        | 141        | +        | +       | +                  | -  | H               | -        | $\dashv$ | -†       | _         |
| }          | -       | 42       | $\vdash$ | $\vdash$   | $\vdash$ | +           | $\vdash$     | ┼  | $\vdash$     | -  | $\dashv$        | $\dashv$ | 1        | 92       | $\dashv$  |          | +        | +            | +   | +-      | +       | +            | H         | -        | 142        | +        | +       | +                  | 1  | $\vdash$        | -        | $\dashv$ | +        | _         |
|            | _       | 43       | $\vdash$ | -          | $\vdash$ | -           | $\vdash$     | -  | $\vdash$     | -  | $\dashv$        | $\dashv$ | -        | 93       | $\dashv$  | -        | +        | +            | +   | +-      | +       | +-           | H         | <u> </u> | 143        | +        | +       | +                  |  | $\vdash \vdash$ | $\dashv$ | -+       | +        | _         |
|            | _       | 44       | -        | $\vdash$   | $\vdash$ | $\vdash$    | -            | $\vdash$   | -            | ╁  | $\vdash \vdash$ | $\dashv$ | H        | 94       | $\dashv$  | $\dashv$ | +        | +            | +   | +       | +       | +            | H         | $\vdash$ | 144        | $\dashv$ | +       | +                  | $\vdash$   | Н               | -        | $\dashv$ | 7        | -         |
|            | _       | 45       | -        | $\vdash$   |          | $\vdash$    | +            | ┢  | -            | +-   | $\vdash$        | ┥        | _        | 95       | +         | $\dashv$ | $^+$     | +            | +   | +       | +       | +            | $\vdash$  | <u> </u> | 145        | +        | +       | +-                 |  | $\vdash$        | -        | $\dashv$ | _        | _         |
|            | _       | 46       | Н        | -          | $\vdash$ | ┢           | 1            | <del>                                     </del> | $\vdash$     | <del>                                     </del> | $\vdash$        | ┪        | $\vdash$ | 96       | +         | -†       | +        | +            |   | $\top$  | +       | +            | +         | -        | 146        | +        | +       | T                  | T  | -               | -        | +        | +        |           |
|            |         | 47       | -        | $\vdash$   | _        | $\vdash$    | $\vdash$     | $\vdash$   |              | $\vdash$   | $\vdash \vdash$ | 7        | <b>—</b> | 97       | _         | $\dashv$ | $^{+}$   | +            | 十   | _       | +       | †-           | $\sqcap$  |          | 147        | +        | $\top$  | $\dagger$          |  | $\Box$          | $\neg$   | $\neg$   | 7        | _         |
|            | _       | 48       | -        | $\vdash$   | -        | $\vdash$    | $\vdash$     | <del>                                     </del> |              | $\vdash$   | $\dashv$        | ┪        | $\vdash$ | 98       | 7         | _        | _        | 寸            | +   | +       | +       | T            | H         |          | 148        | +        | +       | T                  |  | $\vdash$        | $\neg$   |          | _†       |           |
| ,          | _       | 49       | Г        | <u> </u>   |          | 1           | t            | T -  |              | $\vdash$   | $\sqcap$        | 7        |          | 99       | $\dashv$  |          | $\top$   | +            | 7   | $\top$  | 1       | T            | П         |          | 149        | +        | 7       | $\top$             |  |                 | 一        | _†       | 7        | _         |
|            |         | 50       | Г        | Г          | Г        | Τ           | 1            |  |              | Г  | $\sqcap$        | 7        |          | 100      | _         | 1        | _        | $\top$       | 1   | 1       |         | 1            | $\Box$    |          | 150        |          |         | 1                  |  |                 |          |          | _ 1      | _         |

If more than 150 claims or 10 actions staple additional sheet here